



Approval #

970078-U

Safety & Buildings Division
201 East Washington Avenue
P.O. Box 7969
Madison, WI 53707

Wisconsin Material Approval

Material

Secondary Containment Aboveground Tanks for Flammable Liquids

Manufacturer

Iowa Fabrication and Design, Inc.
5708 West Cedar Wapsie Road
Janesville, IA

SCOPE OF EVALUATION

The secondary containment aboveground tanks for flammable liquids, with or without integrally welded supports, as manufactured by Iowa Fabrication and Design, Inc., have been evaluated in accordance with **sections ILHR 10.345 (1) and 10.415 (7)(b)** of the Wisconsin Administrative Flammable and Combustible Liquids Code.

DESCRIPTION AND USE

Iowa Fabrication and Design manufactures secondary containment tanks for aboveground storage of flammable and combustible liquids. The tank configurations include vertical cylindrical, horizontal cylindrical, rectangular, and rectangular workbench with support design.

TESTS AND RESULTS

The inner tank and secondary containment have been tested and listed by Underwriters Laboratories, Inc., in accordance with UL Standard 142.

LIMITATIONS OF APPROVAL

The double wall tanks are approved for compliance with the secondary containment requirements of **ss. ILHR 10.345 (1) and 10.415 (7)(b)** and may be used without a dike, except in the case of public-access waste oil collection. Tanks for public-access waste oil collection shall be provided with a dike in accordance with **s. ILHR 10.33**.

Tanks up to 10,000 gallons may be used for vehicle fueling in accordance with **s. ILHR 10.415**.

All tanks, regardless of capacity, shall have a minimum total wall thickness (heads and shells) of 7/16 inch. This is typically achieved with a combination of 7 gage and 1/4-inch thickness. This is deemed sufficient to meet the projectile protection requirement of **s. ILHR 10.451 (7)(b)**.

Double wall tanks with lesser wall thicknesses may be used inside a building without a dike subject to the requirements of **s. ILHR 10.335** and **NFPA 31**, if applicable.

The interstitial space shall be monitored for leaks. The monitor must be capable of detecting a leak from anywhere in the inner tank.

Compartmentalized tanks shall be constructed with a double bulkhead in accordance with UL Standard 142. This interstitial space between compartments shall be monitored for leaks.

A spill container shall be provided at the fill opening in accordance with **s. ILHR 10.415 (12)(a)**.

Separate vehicle collision protection shall be provided by a barrier that meets the design requirements specified in **s. ILHR 10.415 (8)(a)**.

No attachments may be made to the tank that violate or void the UL listing.

The tank shall be installed to allow full visual inspection of the secondary containment system.

The installer shall be certified by the Department in accordance with **chapter Comm 5**.

This approval will be valid through December 31, 2002, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the Department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The Department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement unless specified herein.

Reviewed by; _____

Approval Date: _____ By: _____

Sam Rockweiler, P.E.
Code Development Section
Program Development Bureau